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The secretary wishes this year to gather together a varied assortment of printed and mimeographed syllabi, outlines, laboratory directions, charts, blanks, bibliographies of supplementary and suggested readings, review questions, examination questions and the like, so that we may all see something of the minor aids to instruction which our colleagues are employing. He begs that each one who reads this announcement will take the few moments of time necessary to mail to him at once a packet containing samples of all material of this sort which happens to be accessible.

W. V. BINGHAM,
Secretary

DARTMOUTH COLLEGE

THE DANA CENTENARY

IN commemoration of the great geologic work of James Dwight Dana, Yale University will hold a centenary celebration next December, to consist of a series of lectures, culminating in a Dana Memorial volume on "Problems of American Geology." The lectures will be given on the Silliman Foundation, and are open to all interested persons. The speakers and their respective subjects are as follows:

PROBLEMS OF AMERICAN GEOLOGY

Introduction

"The Geology of James Dwight Dana," Professor William North Rice, of Wesleyan University, Tuesday, December 2, 8 P.M.

I. *Problems of the Canadian Shield*

"The Archeozoic and its Problems," Professor Frank Dawson Adams, of McGill University, Thursday and Friday, December 4 and 5, 5 P.M.

"The Proterozoic and its Problems," Professor Arthur Philemon Coleman, of the University of Toronto, Wednesday and Thursday, December 10 and 11, 5 P.M.

II. *Problems of the Cordilleras*

"The Cambrian and its Problems," Dr. Charles Doolittle Walcott, of the Smithsonian Institution, Monday, December 15, 5 P.M.

"The Igneous Geology and its Problems," Professor Waldemar Lindgren, of the Massachusetts Institute of Technology, Tuesday, December 16, 5 P.M.

"The Tertiary Structural Evolution and its Problems," Dr. Frederick Leslie Ransome, of the United States Geological Survey, Wednesday, December 17, 5 P.M.

"The Tertiary Sedimentary Record and its Problems," Dr. William Diller Matthew, of the American Museum of Natural History, Thursday and Friday, December 18 and 19, 5 P.M.

SCIENTIFIC NOTES AND NEWS

It is announced that M. Charles Richet, professor of physiology in the University of Paris, has been awarded the Nobel prize for medicine.

THE Royal Society of Edinburgh has elected honorary fellows as follows: Professor Horace Lamb, F.R.S., professor of mathematics in the University of Manchester; Sir W. T. Thiselton-Dyer, K.C.M.G., F.R.S., formerly director of the Royal Botanic Gardens, Kew; Dr. G. E. Hale, director of the Mount Wilson Solar Observatory (Carnegie Institution of Washington); Professor Emil C. Jungfleisch, professor of organic chemistry in the College of France, Paris; Professor S. Raymón y Cajal, professor of histology and pathological anatomy in the University of Madrid; Professor V. Volterra, professor of mathematics and physics in the University of Rome; Professor C. R. Zeiller, professor of plant paleontology in the National Superior School of Mines, Paris.

PROFESSOR W. M. DAVIS, of Harvard University, has been granted an appropriation from the Shaler Memorial Fund to defray in part the expense of his trip to the South Pacific to study the physiographic evidence relating to the problem of coral reefs.

AT its last meeting held on November 12, 1913, the Rumford committee of the American Academy appropriated the sum of \$250 to Professor Louis V. King, of McGill University, to defray the expenses of computation for his research on "The Scattering and Absorption of Solar Radiation in the Earth's Atmosphere."

THE council of the Royal Meteorological Society has awarded the Symons Gold Medal to Mr. W. H. Dines, F.R.S., in recognition of

the valuable work which he has done in connection with meteorological science. The medal will be presented at the annual meeting of the society on January 21, 1914.

PROFESSOR JULIUS STIEGLITZ, of the department of chemistry in the University of Chicago, is a member of the committee appointed by the Chicago section of the American Chemical Society to cooperate, if desired, with the mayor of Chicago in the solution of the city's waste problem. Other members of the committee are Professor John H. Long, of Northwestern University, and Professor Harry McCormack, of the department of chemical engineering in the Armour Institute of Technology.

PROFESSOR E. E. SOUTHARD, of Harvard University, has been made a member of the board of scientific directors of the Eugenics Record Office, Cold Spring Harbor, N. Y. Professor Southard has also been made a member of the consulting board for the laboratory erected by the Bureau of Social Hygiene in connection with the State Reformatory for Women at Bedford Hills, N. Y.

WE learn from *The Observatory* that owing to the continued illness of Professor Sir Robert Ball, Professor Newall has been made deputy director of the Cambridge Observatory.

MR. H. KNOX SHAW has been appointed superintendent of the Helwân Observatory, Egypt.

EDGAR T. WHERRY, Ph.D. (Pennsylvania, '09), lately assistant professor of mineralogy at Lehigh University, has been appointed assistant curator of mineralogy and petrology in the department of geology, United States National Museum, succeeding Mr. Joseph E. Pogue, transferred to the United States Geological Survey, and James C. Martin, Ph.D. (Princeton, '13), has been appointed assistant curator of physical and chemical geology, succeeding Mr. Chester G. Gilbert, now curator of mineral technology.

MR. THOMAS LANCASTER WREN, who took a first class in the mathematical tripos in 1909 and 1911, and Mr. Franklin Kidd, son of Benjamin Kidd, the author of "Social Evolution,"

who took a first class in the natural science tripos in 1912, have been elected to fellowships in St. John's College, Cambridge.

DR. S. CHAPMAN, chief assistant at the Royal Observatory, Greenwich, has been elected a fellow of Trinity College, Cambridge.

THE clinical congress of surgeons of North America was held in Chicago last week. In addition to the clinical demonstrations held in the various hospitals of the city, eight evening sessions were devoted to the reading and discussion of papers. Among those who made addresses before the congress were Dr. Edward Martin, Philadelphia; the retiring president, Dr. George E. Brewer, of New York; the incoming president, Sir W. Arbuthnot Lane, London; Dr. Carl Beck, Chicago; Dr. John B. Deaver, Philadelphia; Dr. Howard Kelly, Baltimore; Dr. C. J. Gauss, Freiburg; Dr. Roswell Park, Buffalo; Dr. James Ewing, New York, and Dr. Charles Mayo, Rochester.

PROFESSOR H. MONMOUTH SMITH, of Syracuse University, who has for several years been a volunteer investigator in the nutrition laboratory of the Carnegie Institution of Washington, Boston, has recently accepted a position on the laboratory staff in connection with the respiration calorimeters.

DR. ALOIS RIEHL, professor of philosophy at the University of Berlin, and formerly rector of the university, will give two lectures, in German, in Emerson Hall, Harvard University, on the afternoons of November 17 and 18. The topics are "Nietzsche" and "Nietzsche and Bergson."

AT the regular monthly meeting of the Cosmos Club on November 10, Dr. Bailey Willis gave an address on "Present Day Conditions in Argentina."

THE eighty-eighth Christmas course of juvenile lectures, founded at the Royal Institution in 1826 by Michael Faraday, will be delivered this year by Professor H. H. Turner, F.R.S., Savilian professor of astronomy in the University of Oxford, his title being, "A Voyage in Space." The lectures will be experimentally illustrated, and the subjects are as follows: The Starting Point—Our Earth, The Start

through the Air, Journeying by Telescope, Visit to the Moon and Planets, Our Sun, The Stars.

ARTHUR J. FRITH, professor of engineering in the Armour Institute, Chicago, died on November 10.

THE death is announced of Dr. Arthur Edgar, instructor in chemistry at Columbia University.

DR. EDWIN KLEBS, the well-known pathologist and bacteriologist, died at Dortmund, on October 21, aged seventy-nine years.

SIR JOHN BATTY TUKE, M.D., member of parliament for the universities of Edinburgh and St. Andrews, and Morison lecturer on insanity and mental diseases in the Royal College of Physicians of Edinburgh, died on October 31, aged seventy-eight years.

DR. ADOLF HOFFMAN, professor of geology in the mining school at Przibram, has died at the age of sixty years.

DR. SIMON VON NATHUSIUS, professor of agriculture at Halle, has died at the age of forty-eight years.

THE death is also announced of Dr. Ferdinand Blumentritt, of Leitmeritz, in Bohemia, known for his scientific work in the Philippine Islands.

THE U. S. Civil Service Commission announces an examination for assistant in agricultural technology, for men only, on December 3, 1913, to fill vacancies in this position in the Bureau of Plant Industry, Department of Agriculture, Washington, D. C. The eligibles obtained from this examination will be classified in two groups, with salaries ranging as follows: Group A, \$1,600 to \$2,250 per annum; group B, \$1,200 to \$1,440 per annum. The services of the eligibles to be selected from Group A are desired in the laboratory of agricultural technology in the preparation of the official cotton grades, their work requiring an intimate knowledge of cotton grading and the various processes of cotton manufacture.

M. DURANDEAU, of Angoulême, has bequeathed £2,000 to the Pasteur Institute, Paris, for the foundation of a prize for researches on the cure of meningitis.

THE International Congress of Hydrology just held at Madrid decided that the next meeting should take place two years hence at Lyons.

AT the twenty-third annual meeting of the Ohio Academy of Science, which will take place at Oberlin College on November 27, 28 and 29, in addition to the reading of papers, an address will be given by Professor L. B. Walton, the president of the academy, on "The Evolutionary Control of Organisms and Its Significance" and an illustrated lecture on "Sound," by Professor Dayton C. Miller, of the Case School of Applied Science.

A REGULAR meeting of the American Physical Society will be held in Chicago on Friday and Saturday, November 28 and 29. On Friday afternoon there will be a special session to discuss "The Photoelectric Effect and Quantum Theory."

A MEMORIAL meeting to the late Reginald Heber Fitz, Hersey professor of the theory and practise of physic, emeritus, was held in the Harvard Medical School, November 17. Addresses were made by Dr. W. W. Keen, of the Jefferson Medical College; President Charles W. Eliot; Dr. Henry P. Walcott, chairman of the Board of Health of the State of Massachusetts; Dr. William Sydney Thayer, of Johns Hopkins University, and Dr. William T. Councilman, of the Medical School.

THE faculty and the graduate students of the department of botany in the University of Illinois have recently organized a society known as "Silphium." The purpose of the organization is the presentation of original articles by the members, the review of recent literature, and also to obtain a better acquaintance with the flora of the immediate region. Dr. T. J. Burrill, professor emeritus of botany, has been chosen its honorary chairman.

THE Physical Science Club of Oberlin College has organized for the year with Dr. Moore, associate professor of physics, as president, and Professor Hubbard, head of the department of geology, as secretary and treasurer. The opening meeting was addressed by Dr. Stetson, head of the department of psy-

chology, who spoke on "The Introduction to Science." The Physical Science Club is composed of members of the teaching staff, graduate students and qualified undergraduates in the physical sciences. The members meet each week for the presentation of research work, special papers and general discussion.

At the completion of its fiftieth volume, *The American Chemical Journal*, founded and edited by Dr. Ira Remsen, will be discontinued as a separate publication and will be incorporated, from January, 1914, with the *Journal of the American Chemical Society*.

PURSUANT to arrangements made at the Eighteenth International Congress of Americanists, in London, 1912, the Nineteenth Congress will meet in America in 1914 in two sessions, the first at Washington, from October 5 to 10, and the second at La Paz, Bolivia. The session at Washington will be held under the auspices of the Smithsonian Institution, in cooperation with the George Washington University, Georgetown University, the Catholic University of America, the Anthropological Society of Washington, and the Washington Society of the Archeological Institute of America. During the session an excursion will be made to the highly interesting aboriginal quarry and workshop at Piney Branch, District of Columbia; and following the congress it is expected that two excursions will be arranged, one to Ohio for the examination of ancient mounds, the other to New Mexico for the study of ancient ruined pueblos and cliff-dwellings, as well as of the present Pueblo Indians in their native environment. The officers of the organizing committee are: *President*—William H. Holmes; *Secretary*—Ales Hrdlicka; *Treasurer*—Clarence F. Norment.

Word has been received in Cambridge that the collection of Egyptian objects made by Professor Reisner for the Harvard University Museum has been partially destroyed on the way to America. The ship which was bringing it caught fire and was forced to return to a German port. The extent of the damage has not yet been determined. The collection consisted of prehistoric skeletons, pottery, flints

and a series of Egyptian anatomical remains.

WE learn from the *Electrical World* that at a meeting in Brussels on October 13 a "Commission Internationale Scientifique de Télégraphie sans Fil" was established for the scientific study of radio-telegraphic waves and their phenomena. The president is Mr. W. Duddell, of London; the secretary, M. Robert Goldschmidt, of Brussels; the vice-president, Professor W. Wien, of Jena. On and after January 1, 1914, at least until March 1, 1914, certain test messages will be sent from a station in Brussels at hourly intervals, on a wavelength of 3,300 in. Check measurements of the wave frequency, group frequency, power and other details will be made and recorded at Brussels. Observers are invited to measure these signals, as often, and at as many different places, as possible. It is hoped that national committees may be regularly appointed to cooperate in the movement, the objects of which are to increase the knowledge of electric radiation and meteorology. The distance from Brussels to New York is in the neighborhood of 4,000 statute miles, and to Chicago about 5,000; so that the signals which one can hope to receive in this country from Brussels are likely to be very weak. However, if the limiting distance at which these signals can be detected is determined in America, that fact will have significance and utility.

THE *Journal* of the American Medical Association states that an attempt is being made to establish, at the Army Medical Museum, Washington, D. C., an extensive library and lantern and stereoscopic slides of radiographs, representing the work of radiographers who have done particularly notable work along certain lines. Enough slides have already been received to make the collection of value for reference and for teaching purposes at the Army Medical School. Those who have already contributed to the collections are Dr. Lewis Gregory Cole, New York City, slides of stomach, lung and kidneys; Dr. William H. Dieffenbach, New York City, slides of diseases of bones; Dr. Kennon Dunham, Cincinnati, Ohio, stereoscopic slides of the lungs; Dr. Walter C. Hill, Cleveland, Ohio, slides of dis-

eases of bone, and Dr. James T. Case, Battle Creek, Mich., slides of the alimentary tract. Others have promised to send slides, and it is the intention to add to the collection from time to time as important work is done. The collection is available for study by any civilian practitioner on application to the curator, Army Medical Museum, Washington, D. C.

WE learn from the *Journal* of the American Medical Association that acting under auspices of the commission appointed by the Medical Society of the State of Pennsylvania for the Conservation of Vision that an active campaign is under way against ophthalmia neonatorum, needless eye injuries in the trades, trachoma, wood alcohol, wrong lighting of buildings and like causes of blindness. In addition to a large number of distinguished laymen, acting as advisory members, the Commission on Conservation of Vision includes Dr. Wm. Campbell Posey, Wills Eye Hospital, Philadelphia, chairman; Dr. Wm. W. Blair, University of Pittsburgh, Pittsburgh, Pa.; Dr. Clarence P. Franklin, Philadelphia; Dr. C. M. Harris, Johnstown, Pa.; Dr. Edw. B. Heckel, Pittsburgh, Pa.; Dr. T. B. Holloway, University Hospital, Philadelphia, secretary; Dr. Wendell Reber, Temple University, Philadelphia; Dr. Edward Stieren, Pittsburgh, Pa.; Dr. Lewis H. Taylor, president of State Society, Wilkes-Barre, Pa.; Dr. Wm. Zentmayer, Wills Eye Hospital, Philadelphia; Dr. Samuel G. Dixon, commissioner of health of the state of Pennsylvania, Harrisburg, Pa., honorary chairman.

ALASKA coal fields continue to be undeveloped, according to the United States Geological Survey. The only coal being mined is some lignite coal taken out for local use at Cook Inlet, on Seward Peninsula, and at several other localities. The total production in 1912 did not exceed 100 or 200 tons. One oil company continued operations in the Katalla petroleum field in 1912, as in 1911. One of the two producing wells is said to have been sunk to a depth of about 800 feet. The oil is procured by pumping and is refined in a small

plant located near Katalla, and the gasoline finds a ready sale in the coastal settlements of this part of Alaska. There are several other oil companies which control property in this field, but these seem to have done little in the way of development during 1912.

UNIVERSITY AND EDUCATIONAL NEWS

A GIFT of \$4,350,000 to the Cornell Medical School is now officially announced. The name of the donor is withheld but he is believed to be Col. Oliver H. Payne, of New York City.

AT the conference of the Association of American Universities, held November 6, at the University of Illinois, eighteen of the twenty-two institutions admitted to membership were represented as follows: University of California, Dean A. O. Leuschner; Catholic University of America, Professor D. W. Shea; University of Chicago, Dean Rollin D. Salisbury and Dean Albion W. Small; Clark University, Professor J. W. Baird; Cornell University, Dean E. Merritt; University of Illinois, Dean D. Kinley and Dean K. C. Babcock; State University of Iowa, Dean C. E. Seashore; Leland Stanford Junior University, Professor W. W. Willoughby; University of Kansas, Professor F. H. Hodder; University of Michigan, Dean K. Guthe; University of Minnesota, Dean G. S. Ford; University of Missouri, Dean I. Loeb; University of Nebraska, Dean L. A. Sherman; University of Pennsylvania, Dean H. V. Ames and Dean J. C. Rolfe; University of Wisconsin, Director G. C. Comstock.

THE non-resident lectures in the graduate course in Highway Engineering at Columbia University appointed for the 1913-1914 session are as follows: John A. Bense, New York State Engineer; William H. Connell, chief, Bureau of Highways and Street Cleaning, Philadelphia; C. A. Crane, secretary, the General Contractors Association; W. W. Crosby, chief engineer, Maryland Geological and Economic Survey, and consulting engineer; Charles Henry Davis, president, National